

**Listing of Claims:**

1. (Currently Amended) A signal generator having which has  
a license management function, and which is configured to  
transmit a modulation signal as a test signal to a measurement  
object corresponding to a digital communication equipment in a  
5 mobile communication system, the signal generator comprising:

a signal creating and supplying unit which ~~creates a~~ is  
configured to create the test signal to be transmitted to ~~a~~ the  
measurement object; and

a license management unit which ~~manages~~ is configured to  
10 manage a license of waveform data used in creating the test  
signal by the signal creating and supplying unit, ~~characterized~~  
~~in that wherein~~ the license management unit comprises:

a waveform data memory ~~which~~ that stores a plurality of  
waveform data files into which a plurality of waveform data for  
15 various tests is written;

a waveform data file information memory which stores  
wave data file information specifying the plurality of waveform  
data files stored in the waveform data memory;

a usable file list taking unit which ~~takes~~ is  
20 configured to take a usable file list ~~for specifying that~~  
specifies a usable waveform data file authenticated for the

signal generator, wherein the usable file list ~~being~~ is input from an outside section;

25       a usable file list memory which ~~stores~~ is configured to store the usable file list taken by the usable file list taking unit;

30       a utilization file specifying unit which ~~specifies~~ is configured to specify a desired waveform data file from the plurality of waveform data files stored in the waveform data memory;

35       a determining unit which ~~determines~~ utilizes the usable file list stored in the usable file list memory and the wave data file information stored in the waveform data file information memory to determine whether or not the desired waveform data file specified by the utilization file specifying unit is included in the usable file list stored in the usable file list memory; and

40       a waveform data file reading and transferring unit which reads the a specified waveform data file from the waveform data memory and transfers the file to the signal creating and supplying unit when the determining unit determines that the desired waveform data file is included in the usable file list memory, and

wherein:

45       the signal creating and supplying unit ~~creates~~ is configured to create a predetermined test signal according to the

waveform data read from the specified waveform data file transferred by the waveform data file reading and transferring unit and ~~transmits~~ transmit the predetermined test signal to the measurement object,

50        the usable file list taken by the usable file list taking unit and the wave data file information stored in the waveform data file information memory have been encoded previously with inherent information in the signal generator,  
      the signal generator further comprises a first decoding  
55 unit which is configured to decode an encoded usable file list by using the inherent information in the signal generator and write a decoded usable file list in the usable file list memory, and a second decoding unit which is configured to decode an encoded wave data file information by using the inherent information in  
60 the signal generator and transmit a decoded wave data file information to the determining unit, wherein the inherent information in the signal generator comprises a manufacture serial number of the signal generator, and  
      the signal generator further comprises a manufacture  
65 serial number memory which stores the manufacture serial number of the signal generator, and wherein the first decoding unit is configured to decode the encoded usable file list by using the manufacture serial number of the signal generator read from the manufacture serial number memory, and the second decoding unit is

70     configured to decode the encoded wave data file information by  
      using the manufacture serial number of the signal generator read  
      from the manufacture serial number memory.

      2. (Currently Amended) The signal generator having the  
license management function according to claim 1, ~~characterized~~  
~~in that wherein:~~

each of the plurality of waveform data files stored in the  
5     waveform data memory ~~each~~ has a version,

      a usable version is registered in the usable file list  
stored into the usable file list memory according to the usable  
waveform data file authenticated for the signal generator, and

      when the version of the specified waveform data file  
10     specified by the utilization file specifying unit is equal to or  
smaller than the usable version for the same waveform data file  
registered in the usable file list, the determining unit  
determines that the specified waveform data file is included in  
the usable file list stored in the usable file list memory.

Claims 3 and 4 (Canceled).

      5. (Currently Amended) The signal generator having the  
license management function according to claim 1, ~~characterized~~  
~~in that wherein~~ the encoded usable file list is ~~downloaded~~

downloadable with a charge into the signal generator from a site  
5 of a ~~manufacture-maker~~ manufacturer of signal generators ~~with~~  
~~charge~~ through a network.

6. (Currently Amended) The signal generator having the  
license management function according to claim 1, ~~characterized~~  
~~in that wherein~~ the encoded usable file list is ~~downloaded~~  
downloadable with a charge into the signal generator through a  
5 storage medium provided by a ~~manufacture-maker~~ manufacturer of  
signal generators ~~with charge~~.

7. (Currently Amended) The signal generator having the  
license management function according to claim 1, ~~characterized~~  
~~in that the~~ wherein a given waveform data file ~~stored for storing~~  
in the waveform data memory is ~~downloaded~~ downloadable free of  
5 charge from a site of a ~~manufacture-maker~~ manufacturer of signal  
generators through a network ~~without charge~~.

8. (Currently Amended) The signal generator having the  
license management function according to claim 1, ~~characterized~~  
by further comprising:

a detail display unit which ~~displays~~ is configured to  
5 display detailed information of the waveform data read from the  
waveform data file transferred by the waveform data file reading

and transferring unit, and wherein the measurement object corresponds to a mobile phone for a W-CDMA system, and the detailed information includes a bit rate.

9. (Currently Amended) The signal generator having the license management function according to claim 1, ~~characterized by~~ further comprising:

5 a list display instructing unit for instructing a list display of titles of the waveform data files stored in the waveform data memory; and

a list display unit which displays a list of the tiles of the waveform data files stored in the waveform data memory, in response to an instruction by the list display instructing unit.

10. (Currently Amended) The signal generator having the license management function according to claim 1, ~~characterized in that~~ wherein at least one of a W-CDMA transmission test data package and a GSM transmission test data package is included in  
5 the waveform data files stored in the waveform data memory.

11. (Currently Amended) A license management method of a signal generator which is configured to transmit a modulation signal as a test signal to a measurement object corresponding to

a digital communication equipment in a mobile communication  
5 system, the method comprising:

~~a step for~~ preparing a signal creating and supplying unit  
which ~~creates a~~ is configured to create the test signal to be  
transmitted to ~~a~~ the measurement object; and

~~a step for~~ managing a license of waveform data used in  
10 creating the test signal by the signal creating and supplying  
unit, ~~characterized in that~~ wherein the managing ~~step~~ comprises:

~~a step for~~ storing in a waveform data memory, a  
plurality of waveform data files into which a plurality of  
waveform data for various tests is written;

15 storing in a waveform data file information memory,  
wave data file information specifying the plurality of waveform  
data files stored in the waveform data memory;

~~a step for~~ taking a usable file list which specifies a  
usable waveform data file authenticated for the signal generator;

20 ~~a step for~~ storing the taken usable file list ~~taken by~~  
~~the taking step~~ in a usable file list memory;

~~a step for~~ specifying a desired waveform data file from  
the plurality of waveform data files stored in the waveform data  
memory;

25 ~~a step for~~ determining utilizing the usable file list  
stored in the usable file list memory and the wave data file  
information stored in the waveform data file information memory

to determine whether or not the specified desired waveform data file ~~specified by the specifying step~~ is included in the usable file list stored in the usable file list memory; and

~~a step for reading a~~ the specified waveform data file ~~specified by the specifying step~~ from the waveform data memory and transferring the specified waveform data file to the signal creating and supplying unit when it is determined that the specified desired waveform data file is included in the usable file list memory ~~in the determining step~~, and

wherein:

the signal creating and supplying unit ~~creates~~ is configured to create a predetermined test signal according to the waveform data read from the transferred waveform data file ~~transferred by the transferring step~~ and ~~transmits~~ transmit the predetermined test signal to the ~~test~~ measurement object,

the taken usable file list and the wave data file information stored in the waveform data file information memory have been encoded previously with inherent information in the signal generator,

the method further comprises decoding an encoded usable file list with the inherent information in the signal generator and writing a decoded usable file list in the usable file list memory, and decoding an encoded wave data file information with the inherent information in the signal generator and transmitting



a decoded wave data file information for determining whether the specified desired waveform data file is included in the usable file list, wherein the inherent information in the signal generator is a manufacture serial number of the signal generator, the method further comprises storing the manufacture serial number of the signal generator in a manufacture serial number memory, and wherein the encoded usable file list and the encoded wave data file information are decoded by using the manufacture serial number of the signal generator read from the manufacture serial number memory.

12. (Currently Amended) The license management method of the signal generator according to claim 11, ~~characterized in that wherein:~~

each of the plurality of waveform data files stored in the waveform data memory ~~each~~ has a version,

a usable version is registered in the usable file list stored in the usable file list memory according to the usable waveform data file authenticated for the signal generator, and

when the version of the specified waveform data file ~~specified by the specifying step~~ is equal to or smaller than the usable version for the same waveform data file registered by the usable file list, it is determined ~~in the determining step~~ that

the specified waveform data file is included in the usable file list stored in the usable file list memory.

Claims 13 and 14 (Canceled).

15. (Currently Amended) The license management method of the signal generator according to claim 11, ~~characterized in that~~ wherein the encoded usable file list is ~~downloaded~~ downloadable with a charge into the signal generator from a site of a ~~manufacture maker~~ manufacturer of signal generators ~~with charge~~ through a network.

16. (Currently Amended) The license management method of the signal generator according to claim 11, ~~characterized in that~~ wherein the encoded usable file list is ~~downloaded~~ downloadable with a charge into the signal generator through a storage medium provided by a ~~manufacture maker~~ manufacturer of signal generators ~~with charge~~.

17. (Currently Amended) The license management method of the signal generator according to claim 11, ~~characterized in that~~ the wherein a given waveform data file ~~stored~~ for storing in the waveform data memory is ~~downloaded~~ downloadable free of charge from a site of a ~~manufacture maker~~ manufacturer of signal generators through a network ~~without charge~~.

18. (Currently Amended) The license management method of the signal generator according to claim 11, ~~characterized by~~ further comprising:

~~a step for~~ displaying detailed information of the waveform data read from the transferred waveform data file, wherein the measurement object corresponds to a mobile phone for a W-CDMA system, and the detailed information includes a bit rate.

19. (Currently Amended) The license management method of the signal generator according to claim 11, ~~characterized by~~ further comprising:

~~a step for~~ instructing a list display of titles of the waveform data files stored in the waveform data memory; and

~~a step for~~ displaying a list of the tiles of the waveform data files stored in the waveform data memory, in response to an instruction of the list display.

20. (Currently Amended) The license management method of the signal generator according to claim 11, ~~characterized in that~~ wherein at least one of a W-CDMA transmission test data package and a GSM transmission test data package is included in the waveform data files stored in the waveform data memory.